CERTIFICATE OF INSTALLATION	CF2R-MCH-24-H		
Forced Air System Airflow Rate - Alternative Compliance	(Page 1 of 2)		
Project Name:	Enforcement Agency:	Permit Number:	
Dwelling Address:	City	Zip Code	

In existing buildings when a refrigerant charge is required the system air flow must be a minimum 300 cfm air flow. The installer is required to correct non-compliant system airflow by performing the remedial actions listed on this form. If after completing the remedial actions listed on this form the system does not meet the minimum 300 cfm air flow the installer may perform a refrigerant charge with a reduced airflow Per RA 3.2.2.7.3

A. System Information Each system requiring verification must use a separate form.		
1.	System Name or Identification/Tag	
2.	System Location or Area Served	

B. Hole for the placement of a Static Pressure Probe (HSPP), and Permanently installed Static Pressure Probe (PSPP) in the supply plenum

All newly installed HVAC systems in new or existing buildings require, HSPP or PSPP. Procedures for installing HSPP and PSPP are described in

Reference Residential Appendix RA3.3.1.1. This measure requires verification by a HERS rater. For existing buildings if the system cannot conform to
the specifications for hole location in Reference Residential Appendix Figure RA3.3-1 an alternate location for the hole that provides access for
making an accurate supply plenum pressure measurement shall be used.

1. Static Pressure Measurement Method (Select method from dropdown box)

2. List Requirements (Based on Selection above)

3. By signing this document the installer certifies that the requirements above have been met.

C.	C. Installer Certifies the Following for Verified System Airflow		
	1.	The Make and Model of the airflow measurement apparatuses used by the installer is certified with the Energy Commission at <a href="http://www.energy.ca.gov/appliances/database/">http://www.energy.ca.gov/appliances/database/</a>	
	3.	By signing this document the installer certifies that the requirements above have been met.	

	Action Required	Indicate whether the action was completed successfully or was not completed successfully.
1	Determine that the air filter media is clean. If the air filter media is dirty, then replace it with clean filter media.	
2	Open all registers and dampers and remove any obstructions.	
3	Replace/Repair all accessible crushed, blocked, restricted, remove excess length, and sharp bends in ducts. Supported every 4 ft max. with a max. 2 in sag.	
4	Clean the evaporator coil and ensure the coil is not obstructed.	
5	Air handler fan speed set to high and blower wheel is clean.	
6	Replace the return duct with a larger one and/or add a second return duct.	
7	Replace the return filter with a larger area and/or add a second return filter.	
8	If any of the above were not completed list the Action Required and a description of why the action	could not be completed:

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After a	ied System Airflow I the Required Actions were completed tion by a HERS rater.	l list the results of the coo	ling coil airflow diagnostic test	in the table be	low. This meas	sure requires
1.	Method Used to Test Actual Airflox		(Select method - Fan flow meter and plenum pressure matching, Flow Grid, Powered Flow Capture Hood, Powered Flow Capture Hood)			
2.	Cooling Capacity of the installed outdoor Condenser     Tons					
3.	Actual Tested Airflow			CFM		
	MENTATION AUTHOR'S DECLARATION ertify that this Certificate of Installation		ate and complete. Signature:			
				T		
Company	:			Date:		
Address:				CEA or CEPE or HE	or HERS Certification # If applicable:	
City/State	e/Zip:			Phone:		
RESPO	NSIBLE PERSON'S DECLARATION STAT	<b>TEMENT</b>				
	ertify under penalty of perjury, under nd correct.	the laws of the State of Co	alifornia, the information prov	ided on this Ce	rtificate of Inst	allation is true
	. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for construction, or an authorized representative of the person responsible for construction (responsible person).				representative	
to						
ta as in	inderstand that a HERS rater will check ke corrective action at my expense. I surance checking of installations, inclustallations fail to meet the requirement other installations in that HERS samp	understand that Energy Co uding those approved as p nts of such quality assuran	ommission and HERS provider art of a sample group but not ce checking, the required corr	representatives checked by a HI	s will also perfo ERS rater, and	orm quality if those
5. I r						
6. I v	will ensure that a completed, signed on the sum of the building, and made available is Certificate of Installation is require will ensure that all Certificates of Installation.	opy of this Certificate of I able to the enforcement a d to be included with the	nstallation shall be posted, or agency for all applicable inspe documentation the builder p	made availabl ctions. I under rovides to the b	e with the bui stand that a si building owner	gned copy of r at occupancy.
Company	Name: (Installing Subcontractor or General Con	tractor or Builder/Owner)				
Responsi	ble Person's Name:		Responsible Person's Signature:			
CSLB Lice	nse:	Date Signed:	Position With Company (Title):	Position With Company (Title):		
Is this ins	tallation monitored by a Third Party Quality Cont	rol Program (TPQCP)?	Name of TPQCP (if applicable):			

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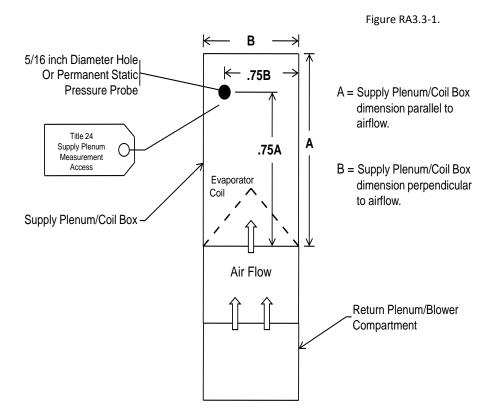
## User Instructions for Completing the MECH 24:

## A. System Information

- 1. System Name or Identification/Tag Imported from the MECH-04 or entered manually; provide an identification name or tag name that uniquely identifies the duct system. If there is a mechanical plan for the system, the tag name may be given on the plans.
- 2. System Location or Area Served Imported from the MECH-04 or entered manually; provide a brief description of the area served by the duct system (e.g. upstairs; downstairs).

## B. HSPP or PSPP Verification

- 1. Select from the following options using a dropdown box, the Static Pressure Measurement Method:
  - A. HSPP Hole Static Pressure Probe
  - B. PSPP Permanente Static Pressure Probe
  - C. Alternate Location alternate location that provides access for making supply plenum pressure measurement
- 2. Requirements auto filled based on the user selection from #B.1:
  - A. If A picked in #B.1 then:
    - a. For HSPP a 5/16 inch (8 mm) hole was drilled and placed per Figure RA3.3-1.
    - b. The hole has been labeled stating "Title 24 Supply Plenum Measurement Access" in at least 12-point font.
  - B. If B picked in #B.1 then:
    - a. For PSPP a permanently installed pressure probe was installed per Figure RA3.3-1.
    - b. The probe has been labeled stating "Title 24 Supply Plenum Measurement Access" in at least 12-point font.
  - C. If C picked in #B.1 then:
    - a. For Alternate Locations the system must be in an existing building.
    - b. Certify that the hole cannot conform to the specifications per Figure RA3.3-1
    - A 5/16 inch (8 mm) hole was drilled in an alternate location that provides access for making an accurate supply plenum
      pressure measurement.
    - d. Confirm that the hole has been labeled stating "Title 24 Supply Plenum Measurement Access" in at least 12-point font.
- 3. Installer certifies that #1 and #2 have been completed.



## C. Installer Certifies the Following for Verified System Airflow

 The Make and Model of the airflow measurement apparatuses used by the installer must be certified with the Energy Commission at http://www.energy.ca.gov/appliances/database/

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## D. Alternate Minimum System Airflow Verification

The installer is required to fix the HVAC system to increase air flow. The installer must make the changes under Action Required when possible. Installer is required to indicate whether the action was completed successfully or was not completed successfully.

- 1. Replace all filters if dirty.
- 2. The condition of the ducts has a big impact on the ducts. Crushed, blocked, restricted, loose, sharp bends.
- 4. Clean the evaporator coil and ensure the coil is not obstructed. Often the coils are plugs with dirt, animal hair etc. and this will significantly reduce the air flow of the system.
- 5. Air handler fan speed set to high and blower wheel is clean.

# Instructions to be completed at a later date.